

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0003263

Owner: American Airlines-MCI MEE  
Address: 9200 NW 112<sup>th</sup> Street MO 1-300, Kansas City, MO 64153

Continuing Authority: Same as above  
Address: Same as above

Facility Name: American Airlines-MCI MEE Base  
Facility Address: 9200 NW 112<sup>th</sup> Street MO 1-300, Kansas City, MO 64153

Legal Description: All or parts of Sections 22, 23, 26, T52N, R34W, Platte County

Receiving Stream: Todd Creek (C)  
First Classified Stream and ID: Todd Creek (C) (00316)  
USGS Basin & Sub-watershed No.: (10240012-120002)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

**FACILITY DESCRIPTION**

See Page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

November 27, 2002  
Effective Date

November 26, 2007  
Expiration Date  
MO 780-0041 (10-93)

  
Stephen M. Manfred, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

James R. Macy, Director, Kansas City Regional Office

Facility Description (continued)

Outfall #003 - Industry/Stormwater Runoff - SIC #4582

Lined spill containment pond/oil/ water separator/sludge retained in SPCC pond.  
Stormwater runoff, actual flows are dependent upon precipitation.  
Design flow is 9.84 MGD.

Outfall #004 - Stormwater Runoff - SIC #4582

Spill containment pond/oil/water separator.  
Stormwater runoff.  
Actual flow is dependent upon precipitation.  
Design flow is 8.4 MGD.

Outfalls #006, #009, #012, & #013 - Industry/Stormwater Runoff - SIC #4582

Stormwater runoff  
Actual flow is dependent upon precipitation.  
Design flow is 18.24 MGD.

Outfall #010 - Landfill - SIC #4582

Petroleum and metal waste/trickling filter/pH neutralization.  
Actual flow is 450,000 gallons per day.  
Design flow is 600,000 gallons per day.

Outfall #011 - Industry/Stormwater Runoff/Non-contact cooling water - SIC #4582

Non-contact cooling water/stormwater runoff.  
Actual flow is dependent upon precipitation.  
Design flow is 8,640 gallons per day, plus stormwater.

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 3 of 7	
					PERMIT NUMBER MO-0003263	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #010 to Todd Creek (Note 1)</u>						
Flow	MGD	*		*	**	24 hr. total
Biochemical Oxygen Demand <sub>5</sub>	mg/L	45		30	**	grab
Total Suspended Solids	mg/L	45		30	**	grab
Total Petroleum Hydrocarbons	mg/L/	1.0		1.0	**	grab
Chromium, Total Recoverable	mg/L	0.042		0.042	**	grab
Nickel, Total Recoverable	mg/L	0.6		0.6	**	grab
Cadmium, Total Recoverable	mg/L	0.018		0.018	**	grab
Copper, Total Recoverable	mg/L	0.043		0.043	**	grab
Cyanide, Amenable to Chlorination	mg/L	0.005		0.005	**	grab
Lead, Total Recoverable	mg/L	0.02		0.02	**	grab
Zinc, Total Recoverable	mg/L	0.371		0.371	**	grab
pH - Units	mg/L	****		****	**	grab
Priority Pollutant, Volatile Organic Compounds (Note 2)	µg/L	*		*	**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>April 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 4 of 7	
					PERMIT NUMBER MO-0003263	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfalls #003, #004, #006, #009, #011, #012 & #013 (Note 3)						
Flow	MGD	*		*	once/quarter***	(Note 4)
Total Petroleum Hydrocarbons	mg/L	20		15	once/quarter***	grab
BETX	mg/L	0.75		0.75	once/quarter***	grab
Total Suspended Solids	mg/L/	70		50	once/quarter***	grab
Oil and Grease	mg/L	15		10	once/quarter***	grab
Chromium, Total Recoverable	mg/L	0.12		0.12	once/quarter***	grab
Nickel, Total Recoverable	mg/L	1.8		1.8	once/quarter***	grab
Copper, Total Recoverable	mg/L	0.064		0.064	once/quarter***	grab
Cyanide, Amenable to Chlorination	mg/L	0.015		0.015	once/quarter***	grab
Lead, Total Recoverable	mg/L	0.06		0.06	once/quarter***	grab
Zinc, Total Recoverable	mg/L	0.371		0.371	once/quarter***	grab
pH - Units	SU	****		****	once/quarter***	grab
Temperature*****	°F	90°			once/quarter***	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>April 28, 2003</u> .						
<u>All Outfalls</u>						
Priority Pollutants Volatile Organic Compounds	mg/L	*		*	once/year in May	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- \* Monitoring requirement only.
- \*\* Once/day if discharge occurs
- \*\*\* Once per quarter in the months of March, May, September & November.
- \*\*\*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- \*\*\*\*\* Temperature measurement only required on Outfall #011.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

Note 1 - Discharges through this outfall will be allowed only under "emergency conditions". "Emergency conditions" are defined as acts of God or the public enemy, civil war, insurrections or riots, fires, floods, explosions, tornados, earthquakes, causalities or serious accidents, epidemics, or quarantine restrictions, any act of the government, strikes, labor troubles causing cessation, slowdown or interruption of work, or due to any other cause to the extent such other cause is beyond TWA's control or not occasioned by TWA's fault or Natural Resources within 24 hours of initiation of discharge.

Note 2 - Priority Pollutants

Benzene	Tetrachloroethene
Bromodichloromethane	Toluene
Bromoform	1,1,1-Trichloroethane
Carbon tetrachloride	1,1,2-Trichloroethane
Chlorobenzene	Trichloroethene
Chloroethane	Trichlorofluoromethane
2-Chloroethylvinyl ether	Vinyl Chloride
Chloroform	
Chloromethane	
Dibromochloromethane	
1,2-Dichlorobenzene	
1,3-Dichlorobenzene	
1,4-Dichlorobenzene	
1,1-Dichloroethane	
1,2-Dichloroethane	
1,1-Dichloroethene	
trans-	
1,2-Dichloroethene	
1,2-Dichloropropane	
cis-1,3-	
Dichloropropene	
Ethylbenzene	
Methylene chloride	
1,1,2,2-	
Tetrachloroethane	

Note 3 - Samples to be taken during the first hour of storm water discharge.

Note 4 - Stormwater flow estimates are to be made using a method based on total precipitation received on a site during a storm event and the runoff coefficients for surface characteristics in the watershed at each outfall.

C. SPECIAL CONDITIONS

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. Industrial Sludge Disposal

- (a) Disposal of industrial sludge is not authorized by this permit. Industrial sludge shall be disposed at a permitted solid waste disposal facility in accordance with 10 CSR 80; or if the sludge is determined to be hazardous waste, shall be disposed at a permitted hazardous waste disposal facility pursuant to 10 CSR 25.
- (b) Non-hazardous sludge that is disposed on site or that is exempted under 10 CSR 80 must obtain applicable permits under 10 CSR 20-6.015 and 10 CSR 20-6.200.
- (c) Each effluent monitoring report shall also specify the date any non-hazardous sludge is removed from the facility, who removed the sludge and the number of gallons or quantity of sludge removed. The final disposal location shall be reported, including the name of the disposal facility, the solid waste disposal permit number and date of permit issuance.
- (d) This permit may (after due process) be modified, or alternatively revoked and reissued, to comply with any applicable sludge disposal standard or limitation issued or approved under the Clean Water Act.

2. Report as no-discharge when a discharge does not occur during the report period.

3. This permit may be reopened and modified, or alternatively revoked and reissued, to:

- (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301 (b)(2)(C) and (D), 304 (b)(2), and 307 (a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

- (a) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
  - (2) controls any pollutant not limited in the permit.
- (b) Incorporate new or modified effluent limitations or other conditions if, as the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
- (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

4. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.

5. Water that has accumulated in secondary containment areas must be examined for possible contamination and tested if necessary. When the presence of contaminants is indicated, water shall be treated before release or taken to a permitted treatment facility if it does not meet permit limits.

6. Substances, regulated by federal law under the Resource Conservation and Recovery Act (RCRA) and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), that are transported, stored, or used for maintenance, cleaning or repair, shall be managed according to RCRA and CERCLA.

C. SPECIAL CONDITIONS (continued)

7. There shall be no release of polychlorinated biphenyl compounds (PCBs) to waters of the state at or above the level of quantification defined as 1 ug/L or 1ppb.
8. General Criteria. The following water quality criteria shall be applicable to tall waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
  - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum, and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical, or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
9. Outfalls must be marked in field.
10. Permittee shall adhere to the following Best Management Practices:
  - (a) Prevent the spillage or loss of fluids, oil, grease, fuel, etc. from vehicle maintenance, equipment cleaning, or warehousing activities, and thereby prevent the contamination of storm water from these substances.
  - (b) Provide collection facilities and arrange for proper disposal of waste products including but not limited to petroleum waste products, and solvents.
  - (c) Store all paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) so that these materials are not exposed to storm water or provide other prescribed BMP's such as plastic lids and/or portable spill pans to prevent the commingling of storm water with container contents. Commingled water may not be discharged under this permit. Provide spill prevention, control, and/or management sufficient to prevent any spills of these pollutants from entering a water of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
  - (d) Provide good housekeeping practices on the site to keep trash from entry into waters of the state.
  - (e) Designate an individual as responsible for environmental matters. Provide for inspection by facility staff, weekly, of any structures that function to prevent pollution from storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective. Records of inspections must be kept onsite and made available to DNR upon request.
  - (f) Train all involved personnel in material handling and storage, and housekeeping of maintenance areas. Proof of training shall be submitted on request.